Please cancel claims 1-15 without prejudice.

Please add the following claims:

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1   16.   (New) In a computing apparatus, a method of operation by a computer aided

2   design (CAD) application, the method comprising:

3   generating a failure indication upon encountering a failure during an operation

4   performed for a user design ; and

5   automatically facilitating a user in determining a solution for the failure.

1   17.   (New) The method of claim 16, wherein said encountering comprises

2   encountering an occurrence of one or more software events that are to result in at

3   least one of an error and a warning.

1   18.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises generating and displaying a user interface having a title indicative of the

3   operation during which operation, the failure was encountered.

1   19.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises generating and displaying one or more expandable error messages.

- 4 -

1   20.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises generating and displaying one or more error messages in a hierarchical

3   manner.

1   21.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises facilitating receiving an indication of at least one of editing, canceling, and

3   accepting the failure.

1   22.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises generating and displaying a message having a suggestion for solving the

3   failure.

1   23.   (New) The method of claim 16, wherein said automatically facilitating

2   comprises visually indicating a portion of the user design associated with the failure.

1   24.   (New) The method of claim 23, wherein said visually indicating comprises

2   highlighting the portion of the user design associated with the failure.

1   25.   (New) The method of claim 23, wherein visually indicating comprises

2   generating and displaying a graphical representation of a light bulb.

1   26.   (New) An apparatus comprising:

-5-

2   a storage medium having stored therein a plurality of programming

3   instructions, which when executed, the instructions cause the apparatus to generate

4   a failure indication upon encountering a failure during an operation performed for a

5   user design, and automatically facilitate a user in determining a solution for the

6   failure.

1   27.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to encounter an occurrence of one or

3   more software events that are to result in at least one of an error and a warning.

1   28.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to generate and display a user interface

3   having a title indicative of the operation during which operation, the failure was

4   encountered.

1   29.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to generate and display one or more

3   expandable error messages.

1   30.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to generate and display one or more

3   error messages in a hierarchical manner.

- 6 -

1   31.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to facilitate receiving an indication of at

3   least one of editing, canceling, and accepting the failure.

1   32.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to generate and display a message

3   having suggestion for solving the failure.

1   33.   (New) The apparatus of claim 26, wherein said programming instructions,

2   which when executed, cause the apparatus to visually indicate a portion of the user

3   design associated with the failure.

1   34.   (New) The apparatus of claim 33, wherein said programming instructions,

2   which when executed, cause the apparatus to highlight the portion of the user

3   design associated with the failure.

1   35.   (New) The apparatus of claim 33, wherein said programming instructions,

2   which when executed, cause the apparatus to generate and display a graphical

3   representation of a light bulb.

1   36.   (New) An article of manufacture having stored therein a plurality of

2   programming instructions, which when executed, the instructions cause a machine

- 7 -

3   to generate a failure indication upon encountering a failure during an operation

4   performed for a user design, and automatically facilitate a user in determining a

5   solution for the failure.

1   37.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to encounter an occurrence

3   of one or more software events that are to result in at least one of an error and a

4   warning.

1   38.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to generate and display a

3   user interface having a title indicative of the operation during which operation, the

4   failure was encountered.

1   39.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to generate and display one

3   or more expandable error messages.

1   40.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to generate and display one

3   or more error messages in a hierarchical manner.

- 8 -

1   41.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to facilitate receiving an

3   indication of at least one of editing, canceling, and accepting the failure.

1   42.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to generate and display a

3   message having suggestion for solving the failure.

1   43.   (New) The article of manufacture of claim 36, wherein said programming

2   instructions, which when executed, cause the machine to visually indicate a portion

3   of the user design associated with the failure.

1   44.   (New) The article of manufacture of claim 43, wherein said programming

2   instructions, which when executed, cause the machine to highlight the portion of the

3   user design associated with the failure.

1   45.   (New) The article of manufacture of claim 43, wherein said programming

2   instructions, which when executed, cause the machine to generate and display a

3   graphical representation of a light bulb.